

October through December 1959

Recent IBM Patents

October, 1959

Record Card Controlled Electrographic Printer	M. J. Kelly	2,907,254
Wire Printer	F. J. Furman, O. F. Moneagle and R. V. Simpson	2,907,270
Self-Complementing Gas Tube Accumulator	C. B. Stott and P. W. Daino	2,907,520
Toll Highway Recorder	J. M. Cunningham	2,907,521
Electronic Accumulator	B. L. Havens	2,907,526
Stress Relieved Thin Magnetic Films	R. S. Smith, J. S. Eggenberger and K. B. Scow	2,907,680
Radiation Responsive Devices	D. D. Willard and G. V. A. Malmros	2,907,886
Electrical Circuit Assembly	R. E. Slack	2,907,926
Digital Servo System	D. H. Apgar and E. H. Bosman	2,907,937
Magnetic Core Transfer Circuit	L. A. Russell	2,907,987
Sustained Power Electric Clock	O. L. Hibbard and J. H. Bakelaar	2,909,891
Drive Mechanism	R. D. Dodge	2,909,935
Printing Machine	E. A. Barber	2,909,971
Display Apparatus Employing Electro-Optical Devices	R. B. DeLano, Jr.	2,909,972
Electro-Optical Display Apparatus	A. C. Koelsch and R. B. DeLano, Jr.	2,909,973
Printer for Calculating Unit	O. B. Shafer and W. S. Rohland	2,909,993
Wire Printer	F. J. Furman, O. F. Moneagle and R. V. Simpson	2,909,994
Print Checking Circuit for Accounting Machines	J. O. Hannibal, Jr.	2,909,995
High Speed Printing Mechanism	C. J. Fitch	2,909,996
Automatic Programming Device	V. M. Andrews and G. M. Berkin	2,910,164
Data Storage Device	W. D. Bolton	2,910,229
Bit Count Checking Circuit	O. B. Shafer and A. C. Reynolds	2,910,234
Drive and Bit Count Control Means for Data Handling Matrix	C. D. Southard	2,910,235
Calculator Program System	L. R. Harper	2,910,236
Serial Type Binary-Coded Decimal Adder	B. L. Havens	2,910,239
Counting Register Employing Plus-and-Minus Adder Means	B. L. Havens	2,910,240
Air Regulated Movable Platform	J. A. Weidenhammer	2,910,294
Code Converting Machines	J. M. Cunningham	2,910,534
Multiple Purpose Unit Record Control Device	R. A. Barbeau and J. B. Norris	2,910,536
Magnetic Transducer	R. D. McNutt	2,910,544
Timed Pulse Delay Circuit	J. W. Toner	2,910,583
Magnetic Core Building Block	E. W. Bauer and M. K. Haynes	2,910,594
Magnetic Core Logical Circuit	L. A. Russell	2,910,595
Switching Apparatus	T. M. Strong	2,910,597
Semiconductor Device	R. F. Rutz	2,910,634
Low Voltage Indicator	S. P. Keller	2,910,648
System for Magnetic Storage of Data	S. Brand	2,910,669
Core Assembly	E. Bloch and H. J. Hallstead	2,910,673
Magnetic Core Memory	W. M. Wittenberg	2,910,674
Core Array Using Coaxially Spaced Conductors	E. Gessner	2,910,675
Output Branch Amplifier	E. Bloch	2,910,677
Binary to Decimal Translator	O. B. Shafer and W. S. Rohland	2,910,685
Drive and Control Means for Matrix	W. S. Rohland	2,910,686

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Self-Reproducing Tape Control System	R. Rice	2,911,147
Marker Pulse Circuit	D. E. Rosenheim	2,911,623
Sorter-Collator for Tape Recorded Data	B. E. Phelps, J. J. Sochor and A. A. Kusnick	2,913,171
Computer Storage Data Handling Control Apparatus	F. C. Williams, T. Kilburn, D. B. G. Edwards and G. E. Thomas	2,913,175
Digital Multiplying Arrangements for an Electronic Computer	E. J. Petherick and G. C. Rowley	2,913,177
Coded Decimal Multiplying Arrangement for a Digital Computer	E. J. Petherick and G. C. Rowley	2,913,178
Magnetic Recording Surface	J. J. Hagopian	2,913,246
Magnetic Transducer	W. A. Holman	2,913,535
Magnetic Refrigerator Having Thermal Valve Means	R. L. Garwin	2,913,881
Positioning Device	J. M. Harker and J. J. Lynott	2,913,922
Accounting Machine Controlled by Differently Coded Cards with Data Comparison of Successive Cards	R. I. Roth	2,914,245
Program Control for a Data Processing Machine	H. D. Ross, B. L. Sarahan, M. M. Astrahan, B. Housman and W. H. Thomas	2,914,248
Magnetic Coating Composition	J. J. Hagopian	2,914,480
Convergence Coil Regulator	E. J. Smura	2,914,698
Hall Effect Probe	J. J. Brophy and J. W. Buttrey	2,914,728
Superconductor Modulator Circuitry	D. R. Young	2,914,735
Superconductor Modulator	D. R. Young	2,914,736
Memory System	K. Ganzhorn, T. Einsele and H. Bornhauser	2,914,754

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Spring Drive Apparatus	W. R. Maclay	2,914,956
Clutch Mechanism	C. E. Branscomb	2,915,161
Magnetic Transducer and Method	E. A. Brown	2,915,593
Light Gun Assembly	R. G. Mork	2,915,643
Gas Tube Pulse Generator	W. C. Dersch, Jr.	2,915,677
Spring Drive Apparatus	G. W. Scott and W. R. Maclay	2,915,906
Pressure Responsive Mechanism	F. A. Litz	2,916,205
Powder Compositions Useful as Electroscopic Toners	S. L. Solar	2,917,460
Magnetic Transfer Circuit	E. W. Bauer	2,918,664
Electrostatic Printer	D. J. Oldenboom	2,918,853
Chain Printer Timer	E. R. Wooding	2,918,865
Selection Mechanism for a Single Printing Element Typewriter	L. E. Palmer	2,919,002
Consecutive Serial Numbering Device	R. J. Young	2,919,003
Printing Apparatus	H. S. Beattie, T. L. Buley and B. M. Muenzer	2,919,005
Ribbon Lift Mechanism	W. B. Whippo	2,919,008
Pressure Sensitive Tape Dispenser and Applier	W. F. Northrup	2,919,044
Ferroelectric Condenser Transfer Circuit and Accumulator	D. R. Young	2,919,063
Ratio Measuring Apparatus	R. E. Boyd	2,919,067
Tape Feeding Machine	W. S. Buslik and T. L. Vinson	2,919,076
Card Weight	M. Fiehl	2,919,130
Electrical Relay and Contact Assembly	B. J. Greenblott and M. J. Kelly	2,919,326
Magnetic Core Logical Circuit	L. A. Russell	2,919,354
Photocell with Transparent Photocathode	W. Sprick	2,919,364
Control Circuit	G. J. Saxenmeyer	2,919,382
Reading Apparatus	T. I. Ress and E. V. Greanias	2,919,425
Character Reader	W. S. Rohland	2,919,426
Predetermined Code Switching Device	A. B. Benson and W. D. Thorne	2,919,427
Data Transfer Mechanism	F. E. Hamilton, E. S. Hughes, Jr., C. B. Smith and A. L. Furr	2,919,429
Apparatus for the Magnetic Recording of Data	S. H. Blackford	2,919,431
Magnetic Core Temperature Regulation	A. F. Mestre	2,919,434